



**2018 EITA Healthcare Innovation and  
Entrepreneurship Workshop  
(EITA-Healthcare Ventures 2018)**

**"Smart, Precision, and Preventive Medicine:  
Challenges, Opportunities, and Future Directions"**

**Taipei Economic and Cultural Office in New York  
1 East 42nd Street, New York, NY**

**Friday, April 27, 2018**

**Program**

**(Draft as of 4/24/18)**

**4/27 (Fri) 1:00 pm - 6:30 pm: Registration**

Room: the 1<sup>st</sup> FL., TECO in New York

**4/27 (Fri) 1:30 pm - 2:20 pm: Opening Session**

**Co-Chairs:**

**Dr. Li-San Wang** (王立三), Associate Professor of Pathology and Laboratory Medicine; Co-Director, Penn Neurodegeneration Genomics Center; Co-Director, Genome Center for Alzheimer's Disease, University of Pennsylvania Perelman School of Medicine

**Dr. Yi-Hsiang (Sean) Hsu** (許益祥)

Co-director and Assistant Professor at Harvard Medical School; Associate Member at BROAD Institute of MIT and Harvard

**Room:** Main Auditorium, TECO in New York

**Welcome Remarks:**

**Ambassador Lily L.W. Hsu**

Director General

The Taipei Economic and Cultural Office in New York

(中華民國駐紐約臺北經濟文化辦事處處長徐儷文大使)

**Opening Remarks:**

**Dr. Carlo Yuvienco**

Senior Project Manager, Life Sciences

New York City Economic Development Corporation

**Plenary Sessions:**

### **4/27 (Fri) 2:20 pm - 3:10 pm: Plenary Session (I): The Current Status and Future of Precision Medicine**

**Chair: Dr. Yung-Fu Chang** (張永富), Professor, Department of Population Medicine and Diagnostic Sciences, College of Veterinary Medicine, Cornell University

**Room:** Main Auditorium, TECO in New York

**Dr. Yi-Hsiang (Sean) Hsu** (許益祥)

Co-director and Assistant Professor at Harvard Medical School  
Associate Member at BROAD Institute of MIT and Harvard

“Structure of a Leptospira antigen offers high bactericidal antibody accessibility amenable to vaccine design”

**Dr. Yung-Fu Chang** (張永富)

Professor, Department of Population Medicine and Diagnostic Sciences  
College of Veterinary Medicine  
Cornell University

### **4/27 (Fri) 3:10 pm – 4:00 pm: Plenary Session (II): Advancing the Clinic with Emerging NGS Technologies**

**Chair: Dr. Cathy H. Wu** (吳慧華), Unidel Edward G. Jefferson Chair in Engineering and Computer Science; Director, Center for Bioinformatics & Computational Biology; Director, Protein Information Resource; Professor, Computer & Information Sciences; Professor, Biological Sciences, University of Delaware

**Room:** Main Auditorium, TECO in New York

“Advancing the Clinic with Emerging NGS Technologies: Derive Extracellular RNA Biomarker Signatures from Blood using NGS Technologies”

**Dr. Yaoyu E. Wang** (王耀煜)

Associate Director, Center for Computational Cancer Biology  
Dana-Farber Cancer Institute  
Harvard Medical School

“How can we act fast to stop involuntary twisting?”

**Dr. Richard C. Liang** (梁駿騏)

Research Assistant Professor, Department of Neurology  
University of Michigan

### **4/27 (Fri) 4:00 pm - 4:10 pm: Break**

### **4/27 (Fri) 4:10 pm – 4:35 pm: Plenary Session (III): Integrating Precision Medicine: Technical Challenges and Solutions**

**Chair: Dr. Pei-yun S. (Sabrina) Hsueh** (薛沛芸), IBM Academy of Technology Member, Thomas J. Watson Research Center

**Room:** Main Auditorium, TECO in New York

“Predictive modeling of drug effects and interactions”

**Dr. Ping Zhang** (張平)

Research Staff Member, Center for Computational Health  
IBM T.J. Watson Research Center

**4/27 (Fri) 4:35 pm – 5:00 pm: Plenary Session (IV): Precision Medicine: New Paradigms, Risks and Opportunities for the Pharmaceutical Industry**

**Chair: Dr. Yaoyu E. Wang** (王耀煜), Associate Director, Center for Computational Cancer Biology, Dana-Farber Cancer Institute, Harvard Medical School

**Room:** Main Auditorium, TECO in New York

“From Human Genetics to a Drug Target for Alzheimer’s Disease”

**Dr. Li-San Wang** (王立三)

Associate Professor of Pathology and Laboratory Medicine

Co-Director, Penn Neurodegeneration Genomics Center

Co-Director, Genome Center for Alzheimer’s Disease

University of Pennsylvania Perelman School of Medicine

**4/27 (Fri) 5:00 pm – 6:25 pm: Plenary Session (V) & Panel Discussions: Health Data, Information, Knowledge, Security, and Privacy**

**Moderator: Dr. Sun-Yuan Kung** (貢三元), Professor, Department of Electrical Engineering, Princeton University

**Room:** Main Auditorium, TECO in New York

“Big Data to Knowledge: Integrative Literature Mining and Knowledge Networks for Kinase Drug Analytics”

**Dr. Cathy Huey-Hwa Wu** (吳慧華)

Unidel Edward G. Jefferson Chair in Engineering and Computer Science

Founding Director, Data Science Institute

Founding Director, Center for Bioinformatics & Computational Biology

University of Delaware

“Teaching Medical Knowledge to Humanoid Robots”

**Dr. Ching-Yung Lin** (林清詠)

CEO, Graphen, Inc

Adjunct Professor, Department of Electrical Engineering, Columbia University

**4/27 (Fri) 6:25 pm – 6:30 pm: Closing Remarks:**

**Chairs:**

**Dr. Li-San Wang** (王立三), Associate Professor of Pathology and Laboratory Medicine; Co-Director, Penn Neurodegeneration Genomics Center; Co-Director, Genome Center for Alzheimer’s Disease, University of Pennsylvania Perelman School of Medicine

**Dr. Yi-Hsiang (Sean) Hsu** (許益祥)

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